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Math 5 Units 3.4

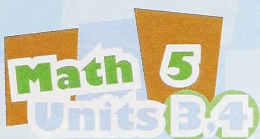
Quizzes and Tests

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Math 5 Learn EveryWare – Units 3 and 4 Tests & Quizzes
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Math 5
Unit 3

Quiz
Lesson 1



Right Angles

1. How many degrees are in a right angle?
2. Name at least 3 items that have a 90° angle in them.
 - A. _____
 - B. _____
 - C. _____
3. Sketch 2 different right angles.
4. Draw the right angle symbol on the following angle.



Math **5**
Unit B

Quiz
Lesson 2



Measuring
Length

1. 10 mm = _____ cm

For 2: Fill in the following table:

2.

mm	cm
50	
	20
300	
	18
150	

For 3 – 4: Measure the following lines using mm.

3. _____ mm

4. _____ mm

5. Measure the following line using cm.

_____ cm

Math **5**
Unit 3

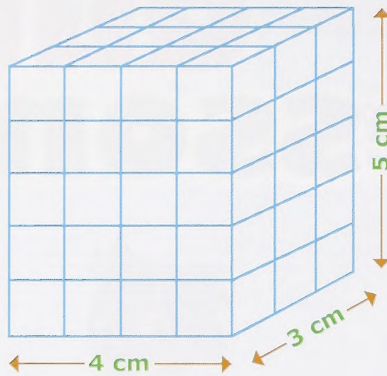
Quiz
Lesson 3



**Measuring
Volume**

1. What is volume?

2. What is the volume?



3. Estimate the volume of a cell phone. Circle the best estimate.

A. 150 cm^3

B. 1 000 cm^3

C. 2 000 cm^3

4. If an object has a volume of 100 cm^3 and has a length of 10 cm and a width of 2 cm what is its height?

A. 3 cm

B. 4 cm

C. 5 cm

D. 6 cm

Math 5
Unit 3

Quiz
Lesson 4



Capacity

1. What is capacity?

2. What units are commonly used for measuring capacity?

3. What unit would be the best to use to measure the capacity of a washing machine?

4. Estimate the capacity of a milk jug. Circle the best estimate.
 A. 30 mL B. 4 L C. 500mL

5. What is the measure in the container shown?



Math **5**
Unit 3

Quiz
Lesson 5



**Rectangles
and Perimeter**

1. What is perimeter?
2. A rectangle has sides lengths of 25 cm and 15cm. What is the perimeter?
3. Draw a rectangle with a perimeter of 16.
4. Zach needs to design a garden that is bordered by a fence. He has 12 metres of fencing material. Draw one possible garden outline for Zach.

Math **5**
Unit 3

Quiz
Lesson 6

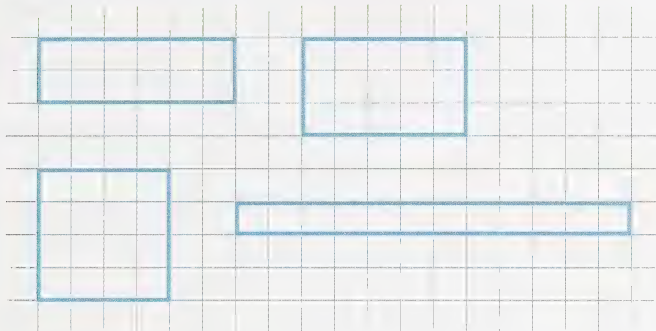


Area

1. What is area?
2. A rectangle has sides of length 4 cm and 8 cm. What is the area?
3. Draw all of the rectangles that have a perimeter of 16 units.
Which one has the largest area? Which one has the smallest area?

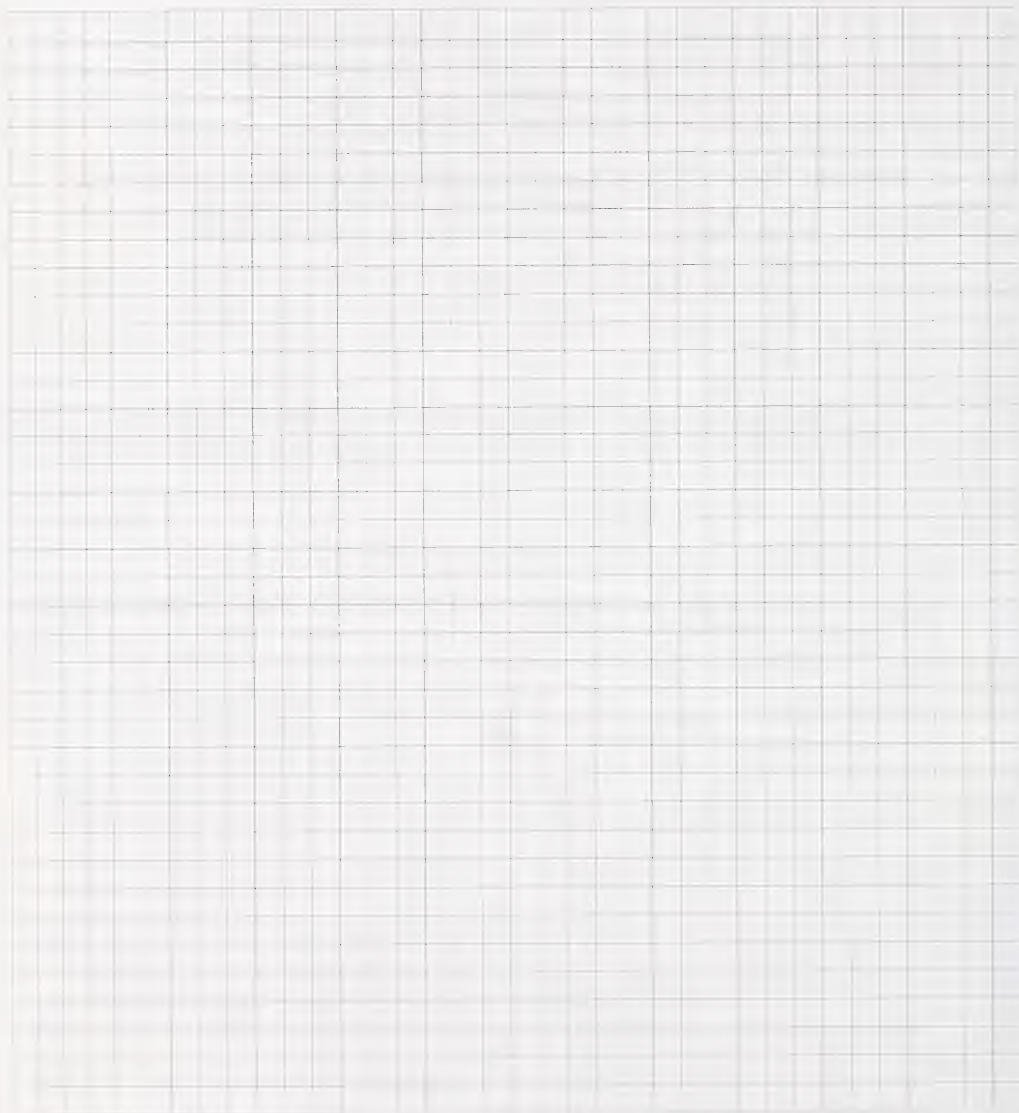


For 4 - 5: Use the rectangles below to answer the questions.



4. Which of the rectangles has the largest area? Write the side lengths.

5. Which of the rectangles has the smallest area? Write the side lengths.



Math 5 Unit 3

Test Lessons 1 - 6



For 1 - 4: Matching: which measure would you use for each of the following?

- | | |
|--------------------------------------|-----------------|
| _____ 1. right angle | a. cubic metres |
| _____ 2. space inside a refrigerator | b. millilitres |
| _____ 3. milk in a carton | c. millimetres |
| _____ 4. length of a line segment | d. degrees |

5. What is the measure of this angle? _____



6. The common endpoint of the two rays that form an angle is called the _____.
- A. corner B. ray C. right angle D. vertex
7. Which of the following is a 90° angle?

A.



B.



C.



D.



8. The line segment is _____ paper clips long.



9. The length of the line segment is _____.

A. 10 mm B. 12 mm C. 14 mm D. 15 mm



10. The length of a car would be measured in _____.

A. millimetres B. centimetres C. metres

11. The length of a shoe would be measured in _____.

A. millimetres B. centimetres C. metres

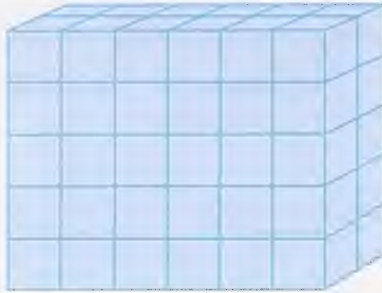
12. The width of a marble would be measured in _____.

A. millimetres B. centimetres C. metres

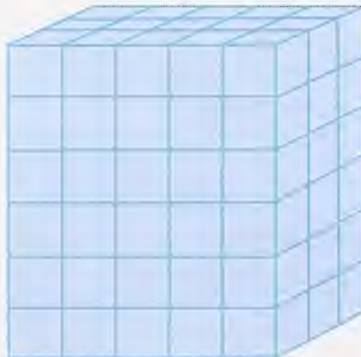
13. Which units would you use to measure the volume of an oven?

A. cubic metres B. cubic centimetres

14. What is the volume of the figure shown? _____



15. What is the volume of the figure shown? _____



16. The best estimate for the volume of a shoe box is _____.

A. 10 cm^3 B. $9\,000 \text{ cm}^3$ C. 1 m^3 D. 2 m^3

17. Draw at least 4 rectangles with a perimeter of 20 cm.

18. Draw a rectangle with an area of 28 cm^2 .

19. What is the largest possible area for a rectangle with a perimeter of 24 cm?

20. What is the smallest possible area for a rectangle with a perimeter of 16 cm?

Math 5
Unit B

Quiz
Lesson 7



Properties of
2-D Shapes

- Sort the figures into the Carroll diagram according to the attributes:

Right Angles

No Right Angles

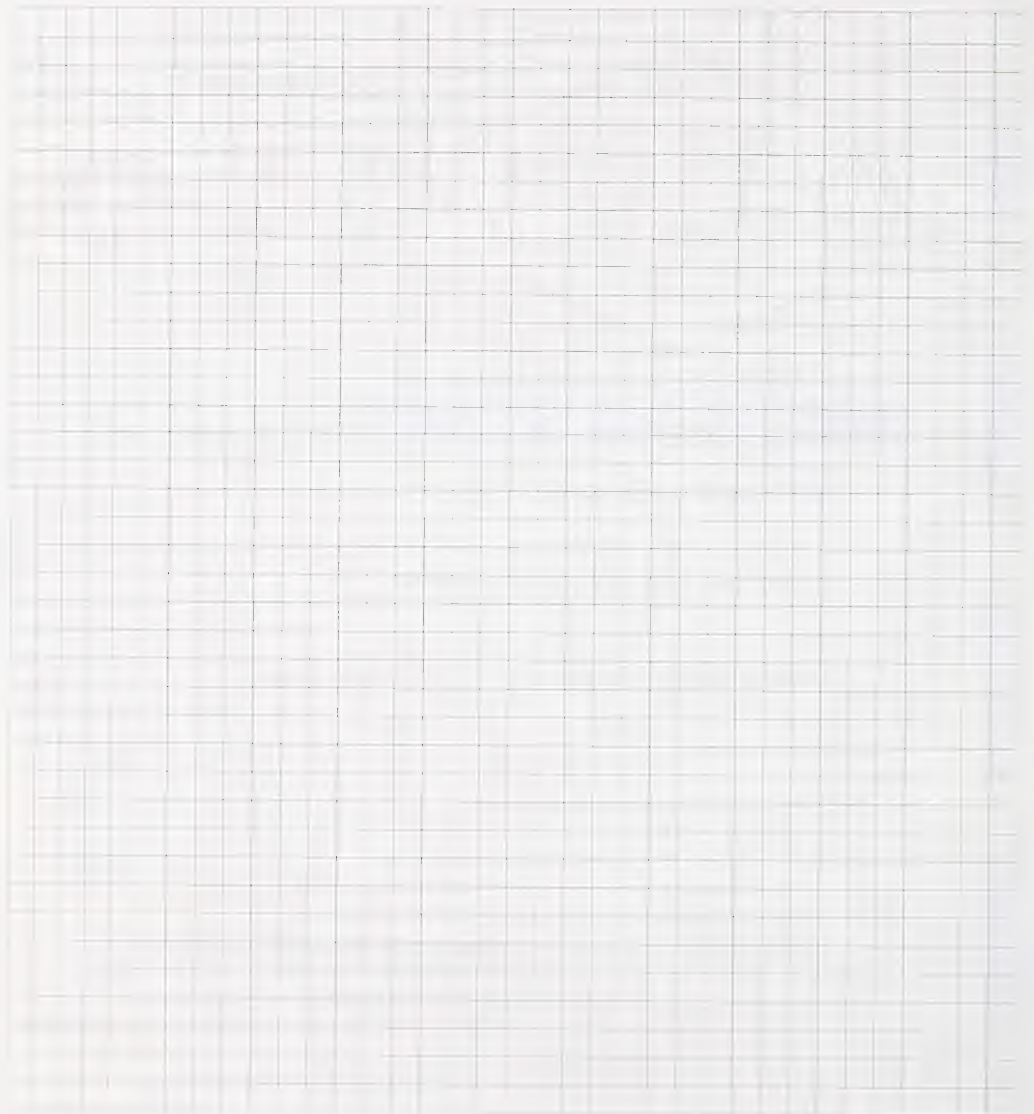


Right Angles	No Right Angles

2. Connect the endpoints of the line segments given to form a polygon.



- a. Name the polygon. _____
- b. Are the new segments parallel? _____
3. Draw a parallelogram with 4 congruent sides.
4. What is the name of the figure you drew in number 3?



Math **5**
Unit 3

Quiz
Lesson 8



Parallelograms

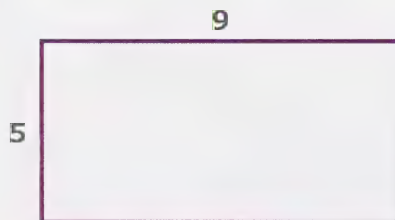
1. Which of the following is NOT an attribute of parallelograms?
 - a. Opposite sides are parallel.
 - b. Opposite sides are congruent.
 - c. All sides are congruent.
 - d. Opposite angles are congruent.

2. Measure the sides of the quadrilaterals in centimetres and mark them on the figure.

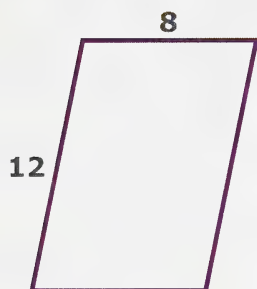


For 3 - 4: Find the perimeter of the given parallelograms.

3. _____

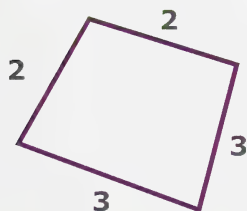


4. _____

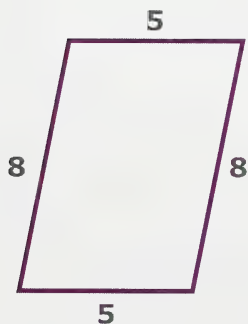


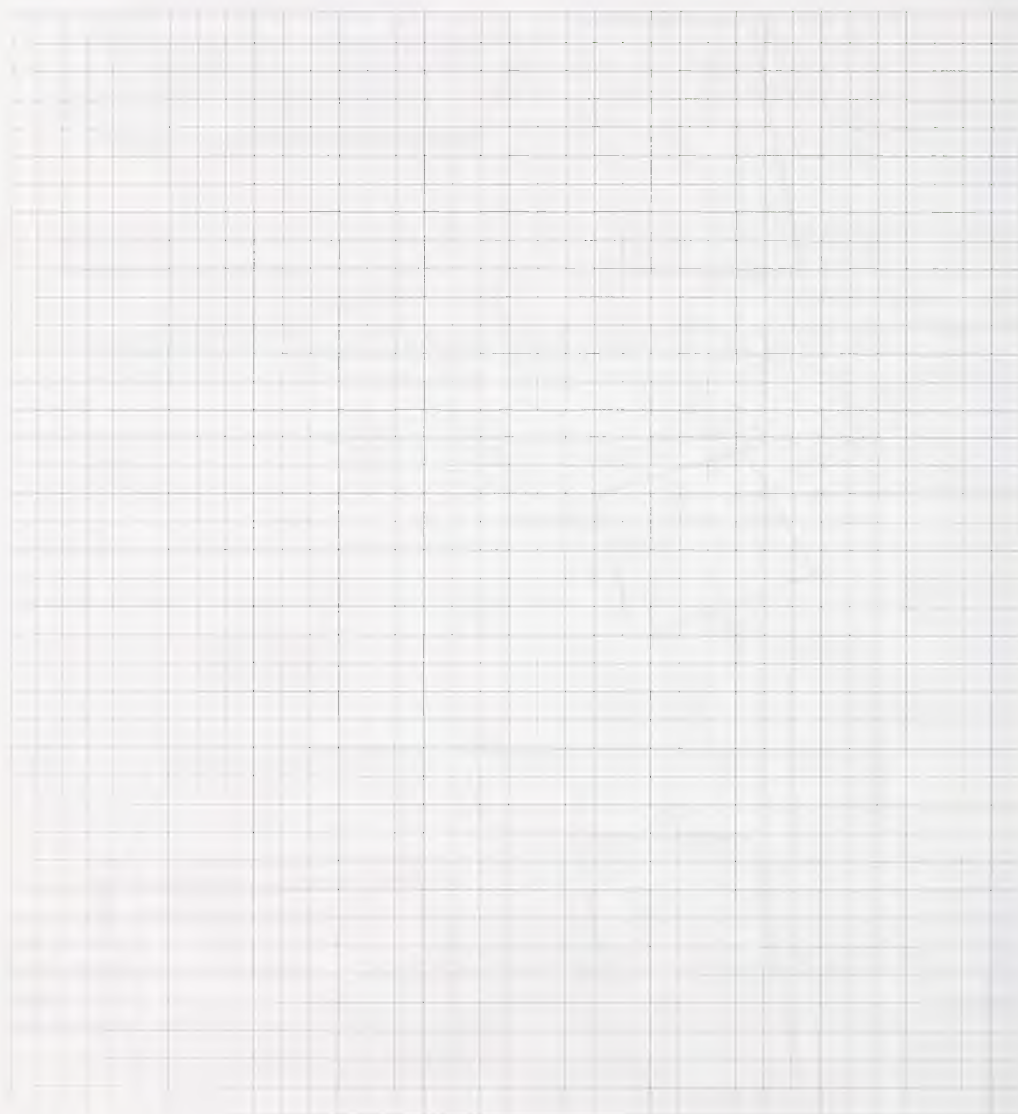
For 5 - 6: Is the figure a parallelogram? Why or why not?

5.



6.





Math **5**
Unit 3

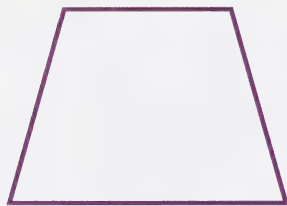
Quiz
Lesson 9



Trapezoids

1. Draw a picture of a trapezoid.

2. Circle the parallel sides in this quadrilateral:



3. Draw a trapezoid with one pair of congruent sides.
4. Draw a trapezoid with one pair of opposite sides that are congruent.

Math 5
Unit 3

Quiz
Lesson 10



Classifying
Quadrilaterals

For 1 - 4: Is the figure a quadrilateral? If it has a special name, write it on the line.

1. _____



2. _____



3. _____



4. _____



5. Draw a quadrilateral with all angles right.

Math 5
Unit 3

Quiz
Lesson 11



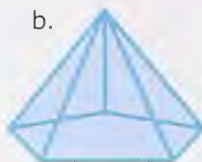
3-D Objects

1. Which of the following is NOT a pyramid?

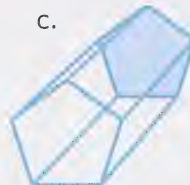
a.



b.



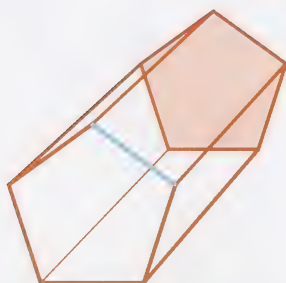
c.



d.



2. Draw an arrow that points to an edge that is perpendicular to the blue edge.



3. Use your pencil to shade the face of the solid that is parallel to the blue face.



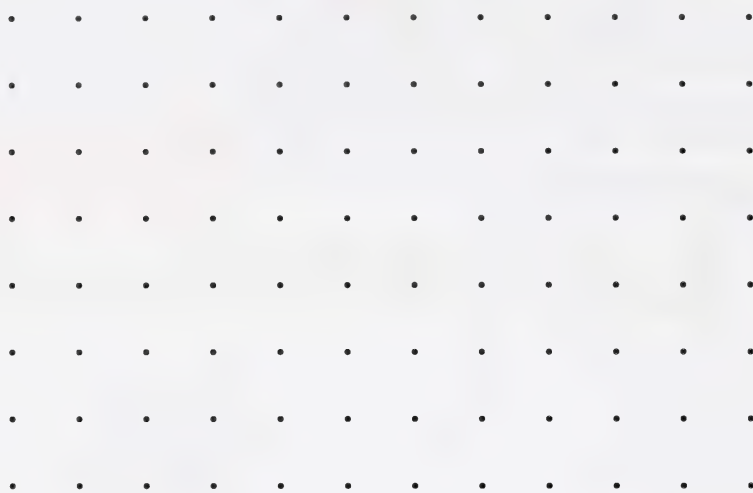
Math **5**
Unit 3

Quiz
Lesson 12

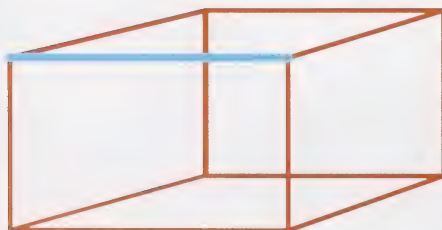


Drawing
3-D Objects

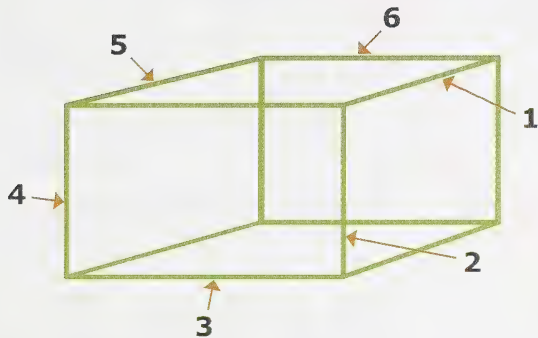
1. Use the dot paper to draw a prism that has a base of 4 units by 4 units.



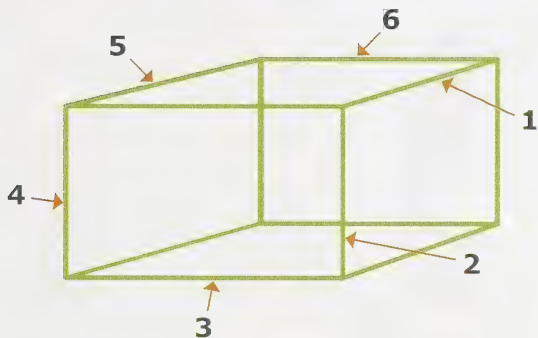
2. Colour all of the edges that are parallel to the blue edge on each figure. If there are none, write "none."



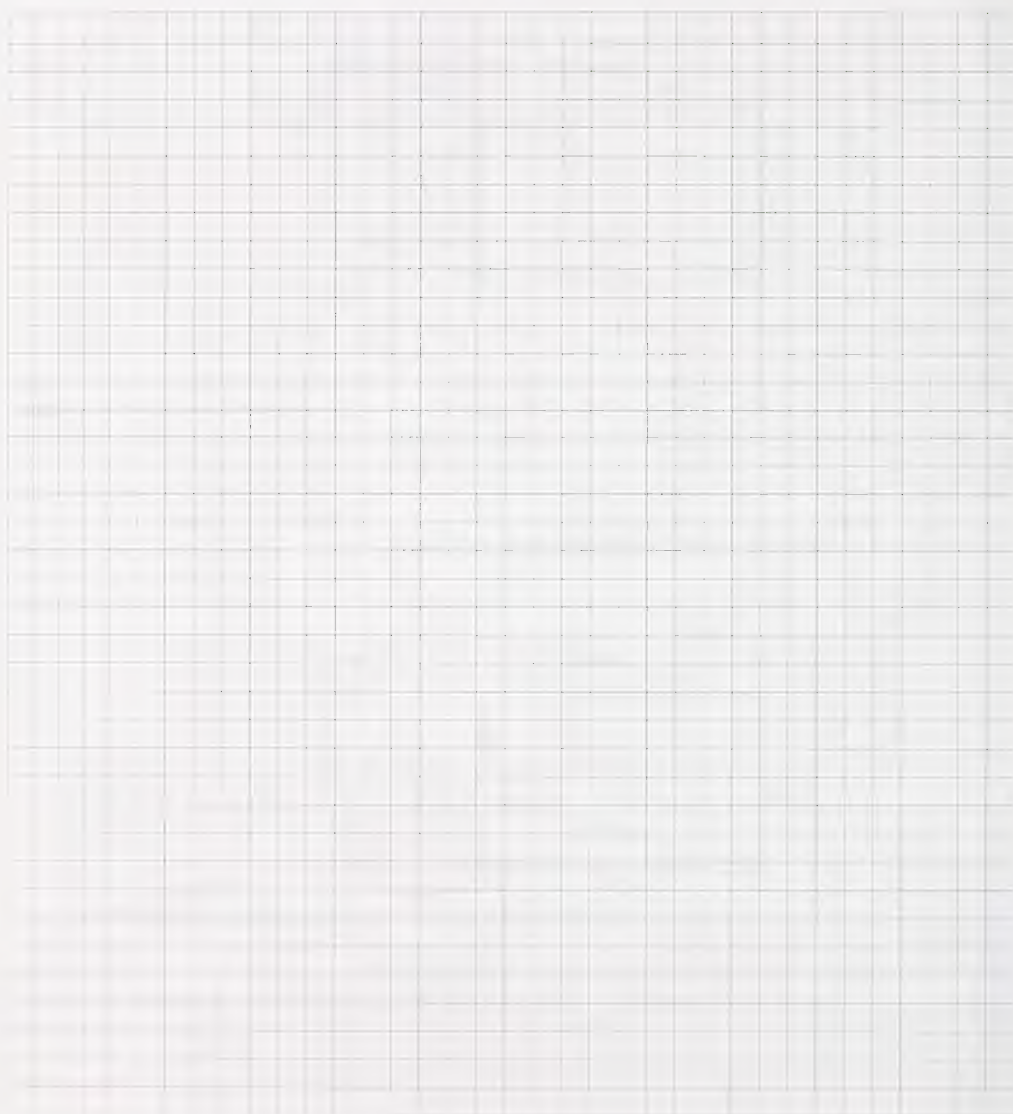
3. Choose the pair of edges that are NOT intersecting.



- A. 6 and 5 B. 2 and 3 C. 1 and 6 D. 2 and 5
4. Which labelled edges are vertical?



- A. 1, 5, and 6 B. 1, 2, and 3 C. 2 and 4 D. 3 and 6



Math 5 Unit 3

Test Lessons 7 - 12



1. Sort the figures into the Carroll diagram according to the attributes:

All Opposite Sides Parallel

Not All Opposite Sides Parallel



All Opposite Sides Parallel	Not All Opposite Sides Parallel

2. Connect the endpoints of the line segments given to form a polygon.

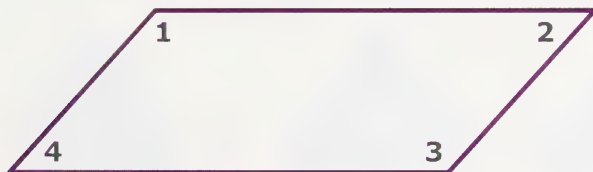


- a. Name the polygon: _____
 b. Are the new segments parallel? _____

3. Draw a quadrilateral with 4 congruent sides.

4. What is the name of the figure you just drew?

For 5 – 8: Use the numbers that mark the angles to complete the statements.



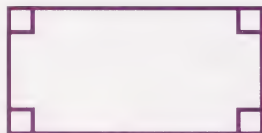
5. Angle 1 is opposite Angle _____.
6. Angle 1 and Angle _____ are consecutive angles.
7. Name two angles that are consecutive angles to Angle 3.

8. In this figure Angle 1 and Angle 3 are congruent and Angle 2 and Angle 4 are congruent. Is this a parallelogram? What other information do you need?

9. Draw a picture of a trapezoid.

10. Draw a trapezoid with one pair of congruent sides.

11. How many names can you give this figure? List them all.



12. Which of the following is NOT a parallelogram?

a.



b.



c.

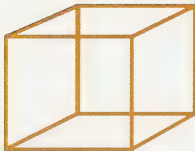


d.

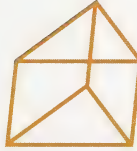


13. Which of the following has only one face that is horizontal?

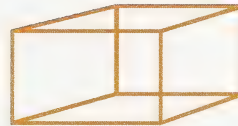
a.



b.



c.



d.



14. Which of the following is a prism?

a.



b.



c.

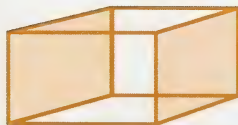


d.



15. Which of the following highlights two faces that are perpendicular?

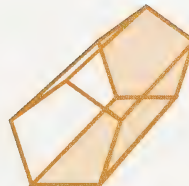
a.



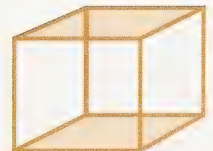
b.



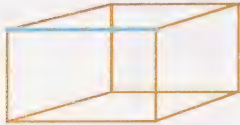
c.



d.



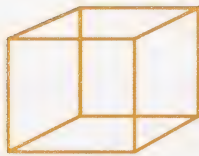
16. Colour all edges that are parallel to the blue edge on the figure.



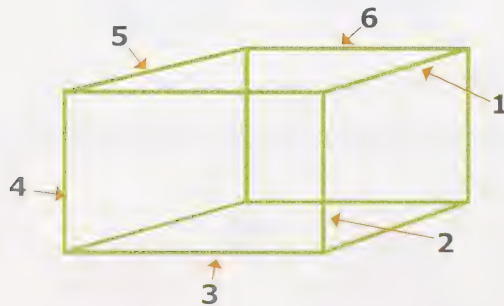
17. Colour all edges that are perpendicular to the blue edge on the figure.



18. Colour all faces that are horizontal on the figure.

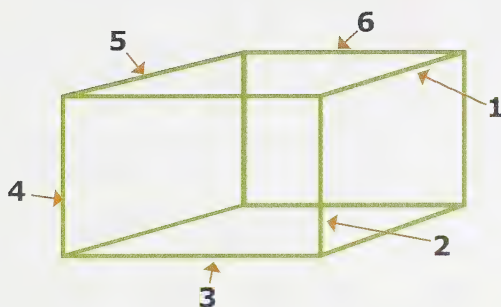


19. Choose the pair of edges that are NOT intersecting.

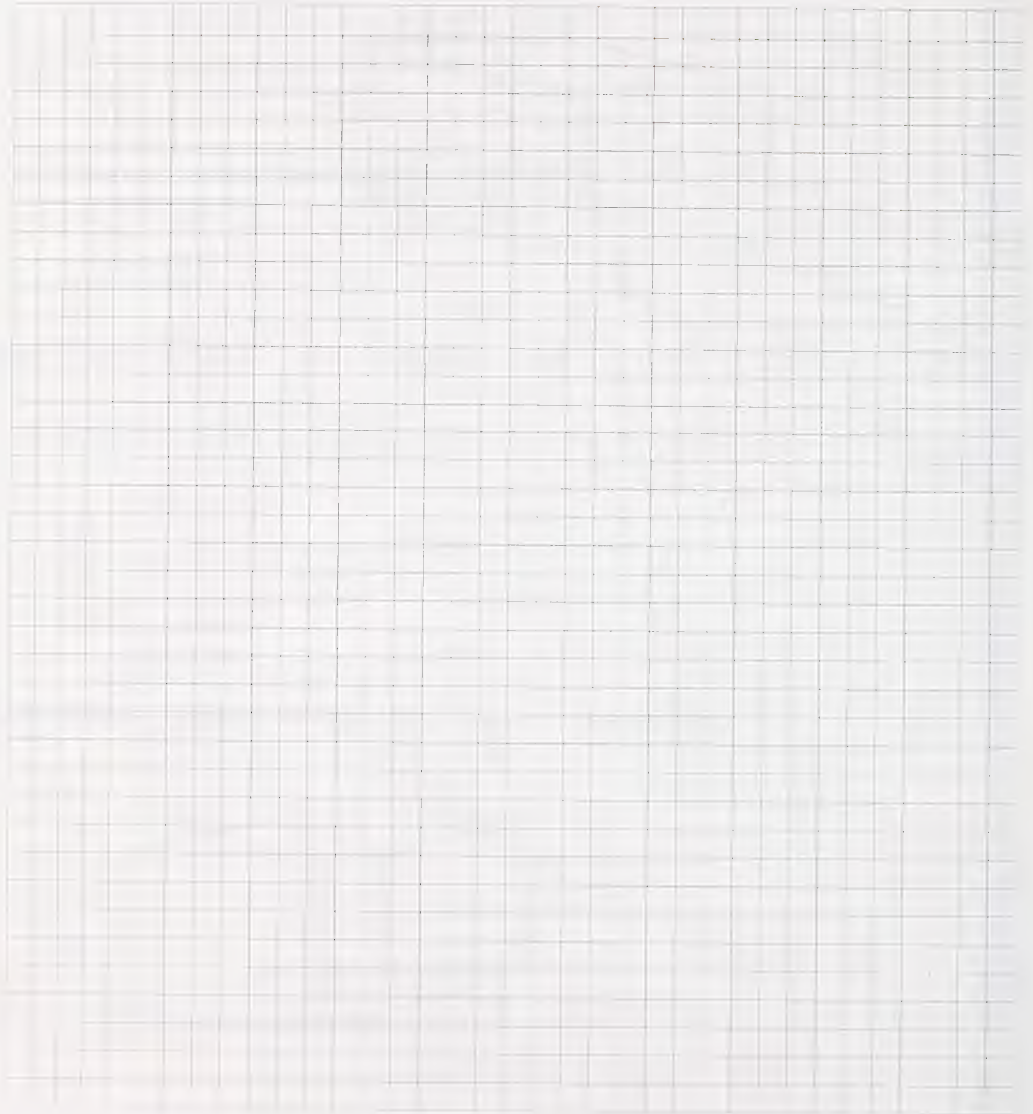


- a. 6 and 5 b. 2 and 3 c. 1 and 6 d. 2 and 5

20. Which labelled edges are vertical?



- a. 1, 5, and 6 b. 1, 2, and 3 c. 2 and 4 d. 3 and 6



Math **5**
Unit 3

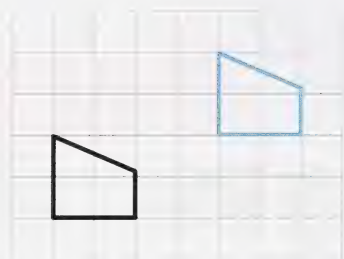
Quiz
Lesson 13



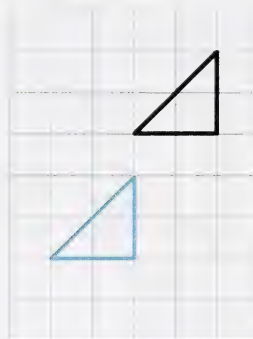
Translations

For 1 - 2: Describe the distance and direction for the translation shown. The image is in blue.

1. _____

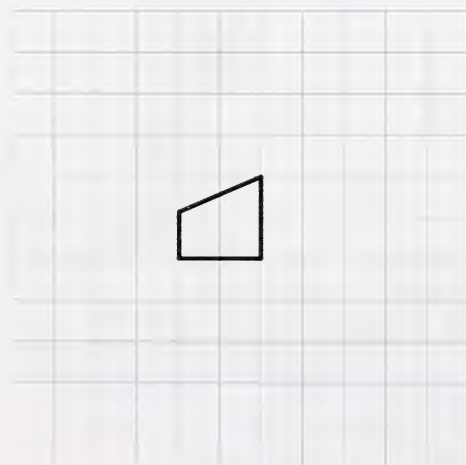


2. _____

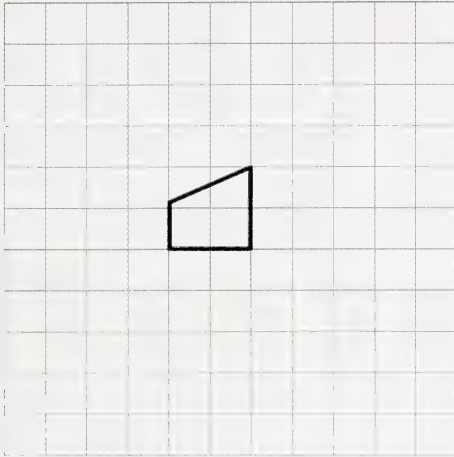


For 3 - 5: Perform the given translation.

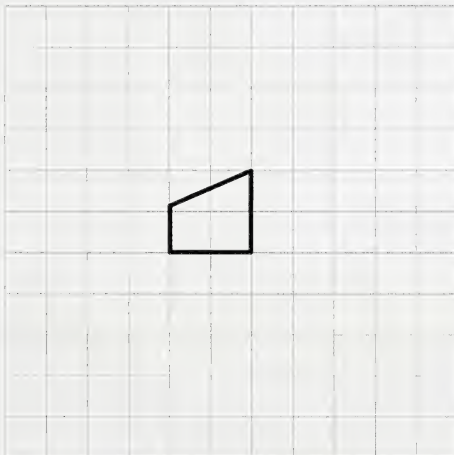
3. 4 units down 1 unit right

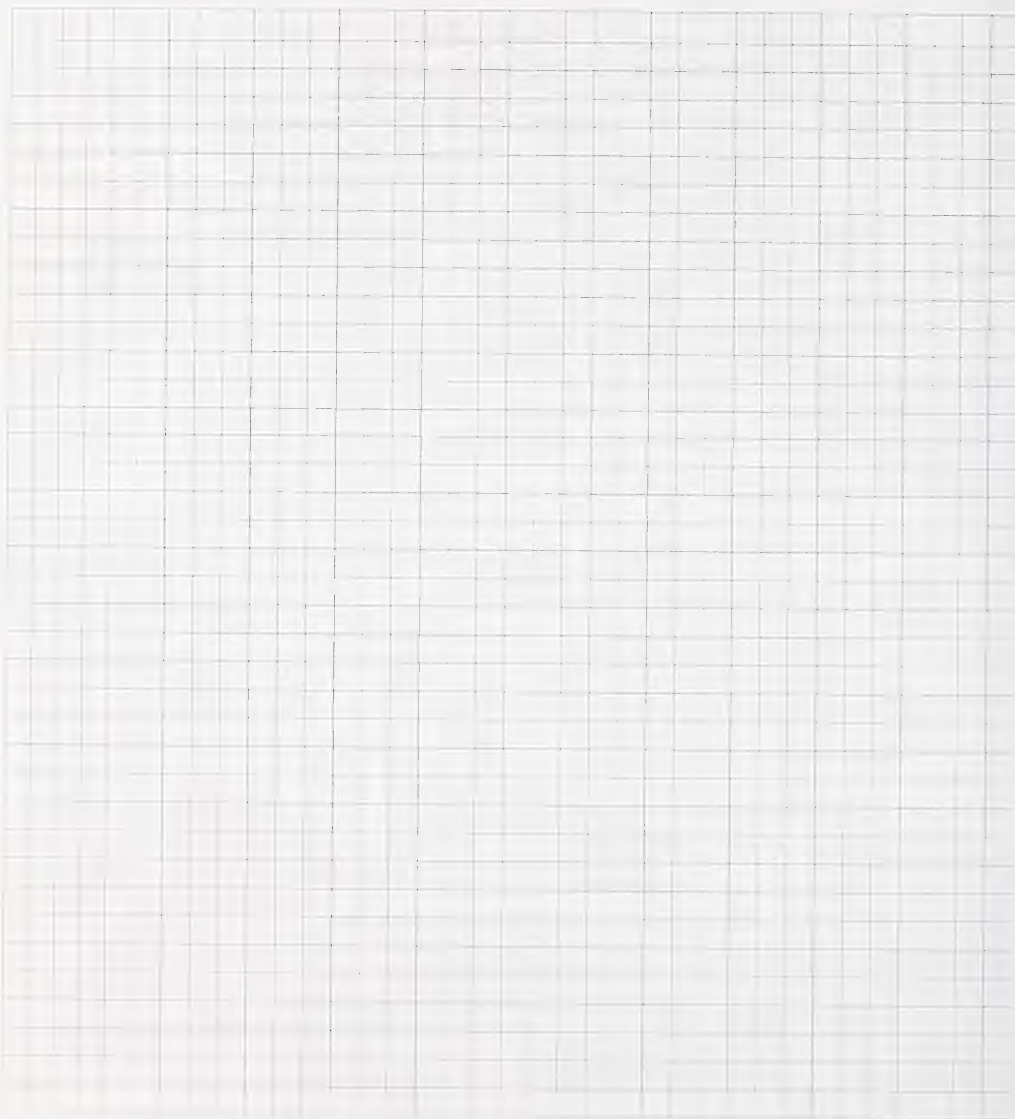


4. 3 units up 2 units right



5. 2 units down 3 units left





Math 5
Unit 3

Quiz
Lesson 14



Reflections

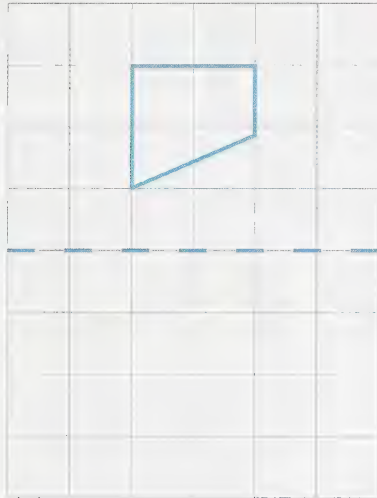
1. Draw the line of reflection for the picture.

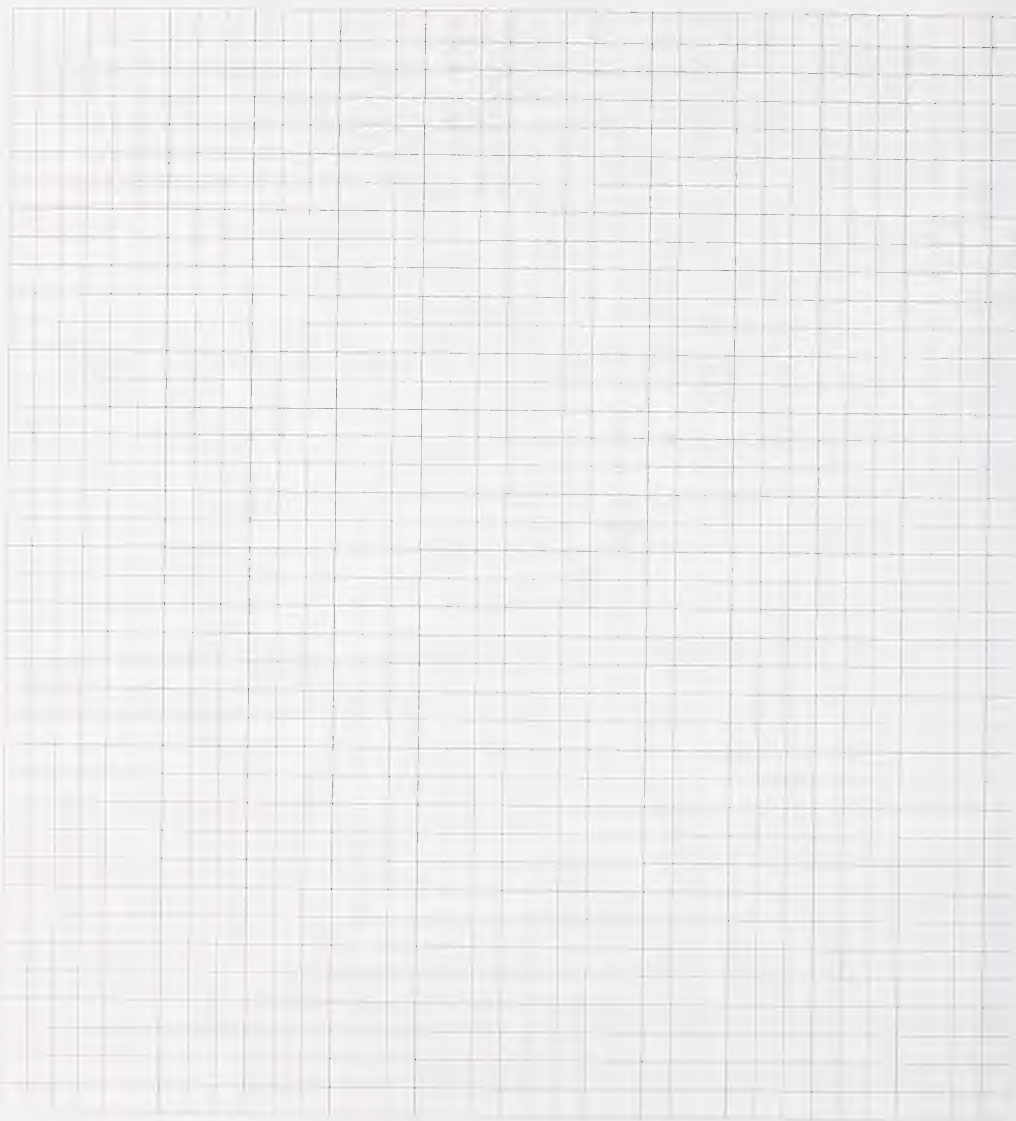


2. How far is the point shown on the image from the line of reflection? _____



3. Draw the image of the shape over the line of reflection shown.





Math **5**
Unit B

Quiz
Lesson 15



Rotations

For 1 - 3: Describe the rotation using direction and distance.

1. _____



2. _____



3. _____



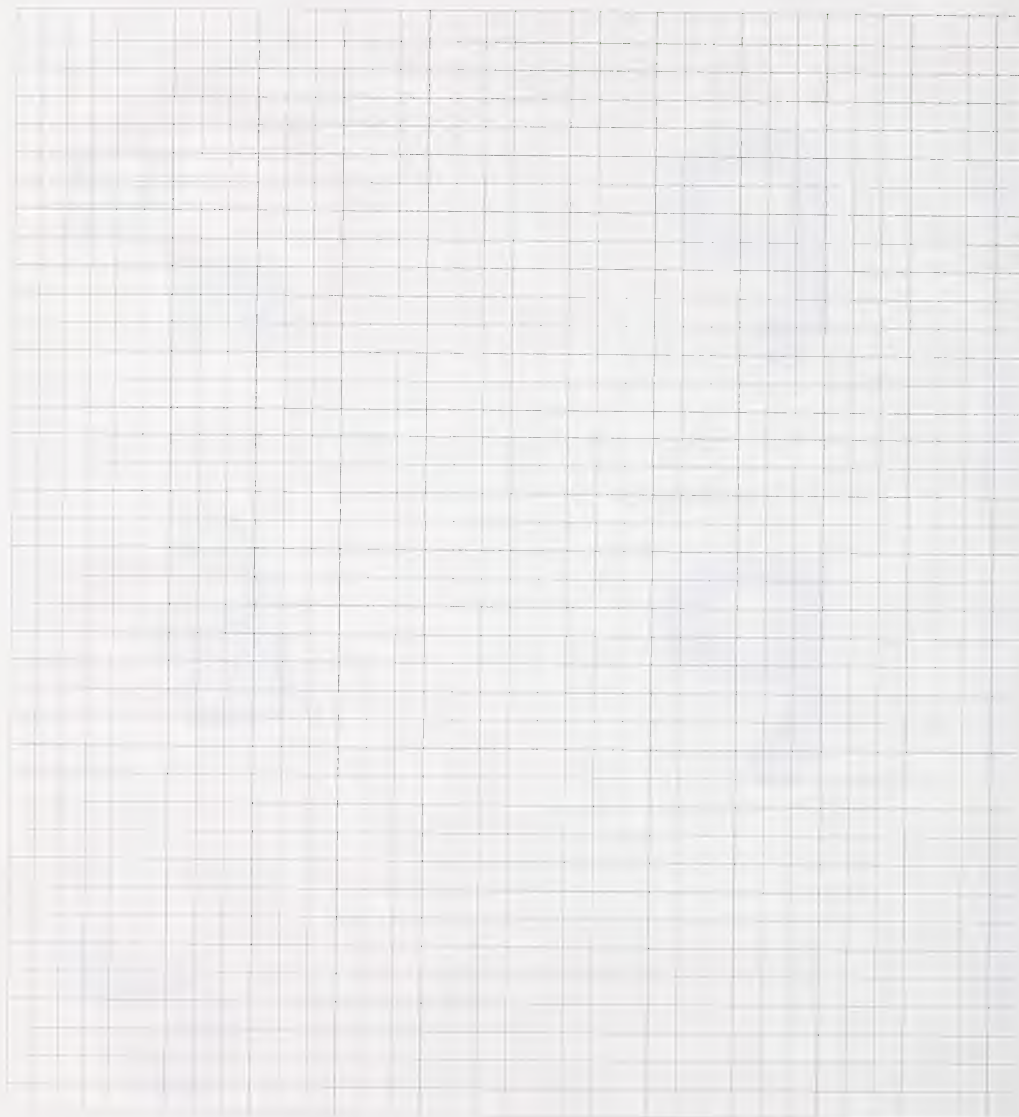
For 4 – 5: Rotate the figure the given distance and direction about the point.

4. $\frac{1}{2}$ turn counter-clockwise



5. $\frac{1}{4}$ turn clockwise





Math **5**
Unit B

Quiz
Lesson 16



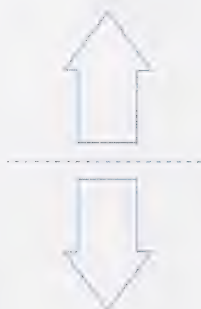
**Identifying
Transformations**

For 1 – 3: Identify the transformation. Write: Translation, Rotation or Reflection.

1. _____



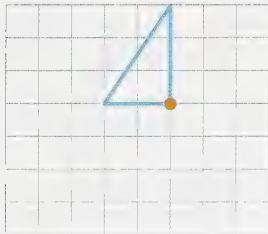
2. _____

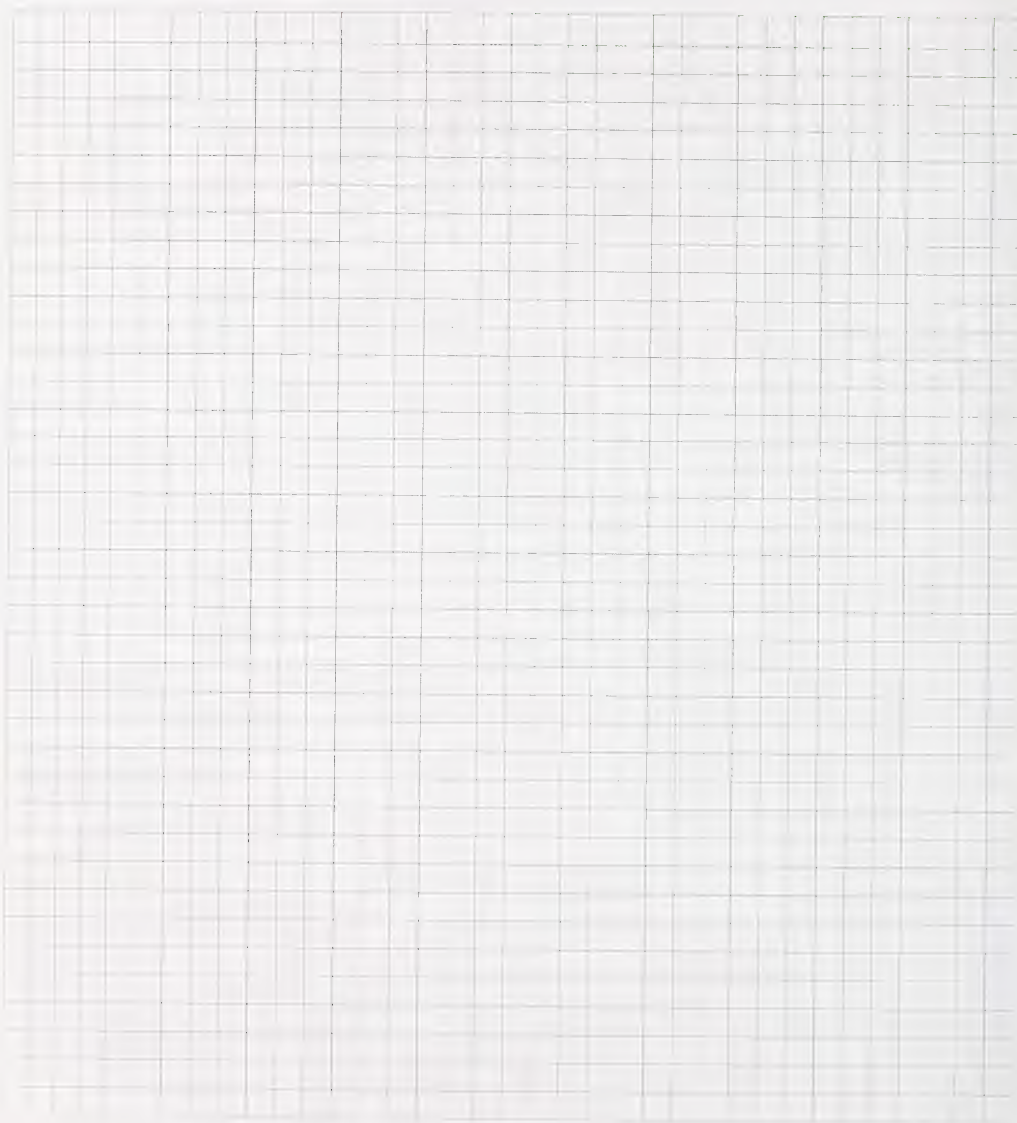


3. _____



4. Rotate the figure $\frac{3}{4}$ turn clockwise





Math **5**
Unit B

Test
Lessons 13-16



For 1 – 4: Match the term with its definition.

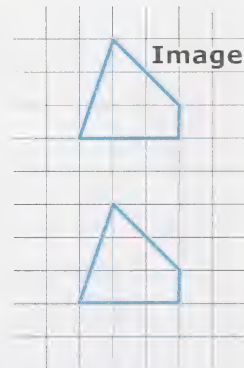
- | | |
|-------------------------|---|
| _____ 1. transformation | a. flips an object over a line |
| _____ 2. reflection | b. turns an object around a given point |
| _____ 3. translation | c. changes the position of a figure |
| _____ 4. rotation | d. moves a shape a given distance and direction |

For 5 - 6: Describe the distance and direction for the translation shown.

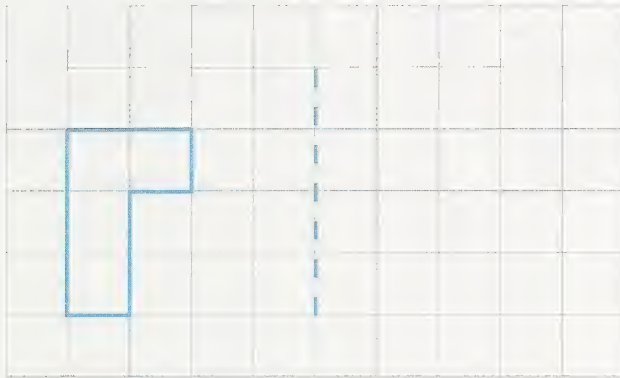
5. _____



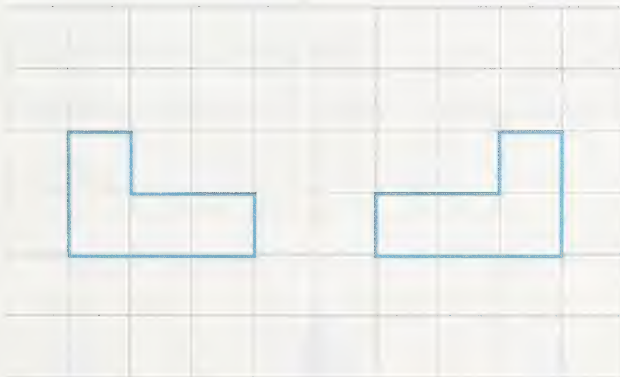
6. _____



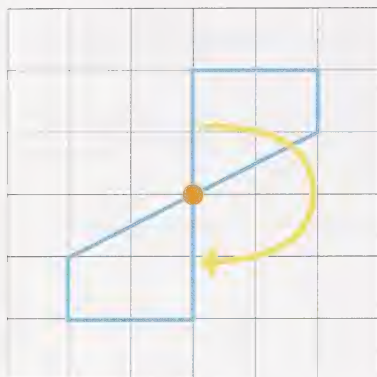
7. Draw the image of the given shape over the line of reflection shown.



8. Draw the line of reflection for the picture.



9. Which is a description of the rotation?



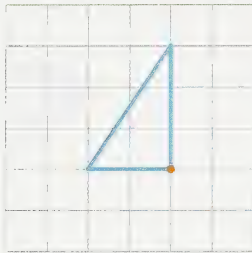
- A. $\frac{1}{2}$ turn clockwise
B. $\frac{1}{2}$ turn counter-clockwise
C. $\frac{1}{4}$ turn clockwise
D. $\frac{3}{4}$ turn clockwise

Identify the transformation. Write: Translation, Rotation or Reflection.

10. _____ 11. _____ 12. _____



For 13 - 15: Copy the figure onto the grid. Perform the given transformation. Label the result "image".



13. translation: 2 units down 3 units right



14. reflection: over any line of reflection



15. rotation: $\frac{1}{4}$ turn counter-clockwise



16. Which of the following is the image of P with a $\frac{1}{4}$ turn rotation counter-clockwise?

a.

b.

c.

d.



17. Lian made this pattern on her desk with some two dollar coins. What transformation did she use?



18. Cameron reflected this figure. Which of the following is the image?



a.

b.



c.

d.





Math **5**
Unit 4

Quiz
Lesson 1



Types
of Data

For 1 - 4: A. Are the following situations first-hand or second-hand data?

B. How would you find the answer?

1. What are the nationalities of the people that immigrated to Canada in 2006?

A. _____

B. _____

2. What is the favourite dinner of the members of your family?

A. _____

B. _____

3. What were the most viewed movies of 2007?

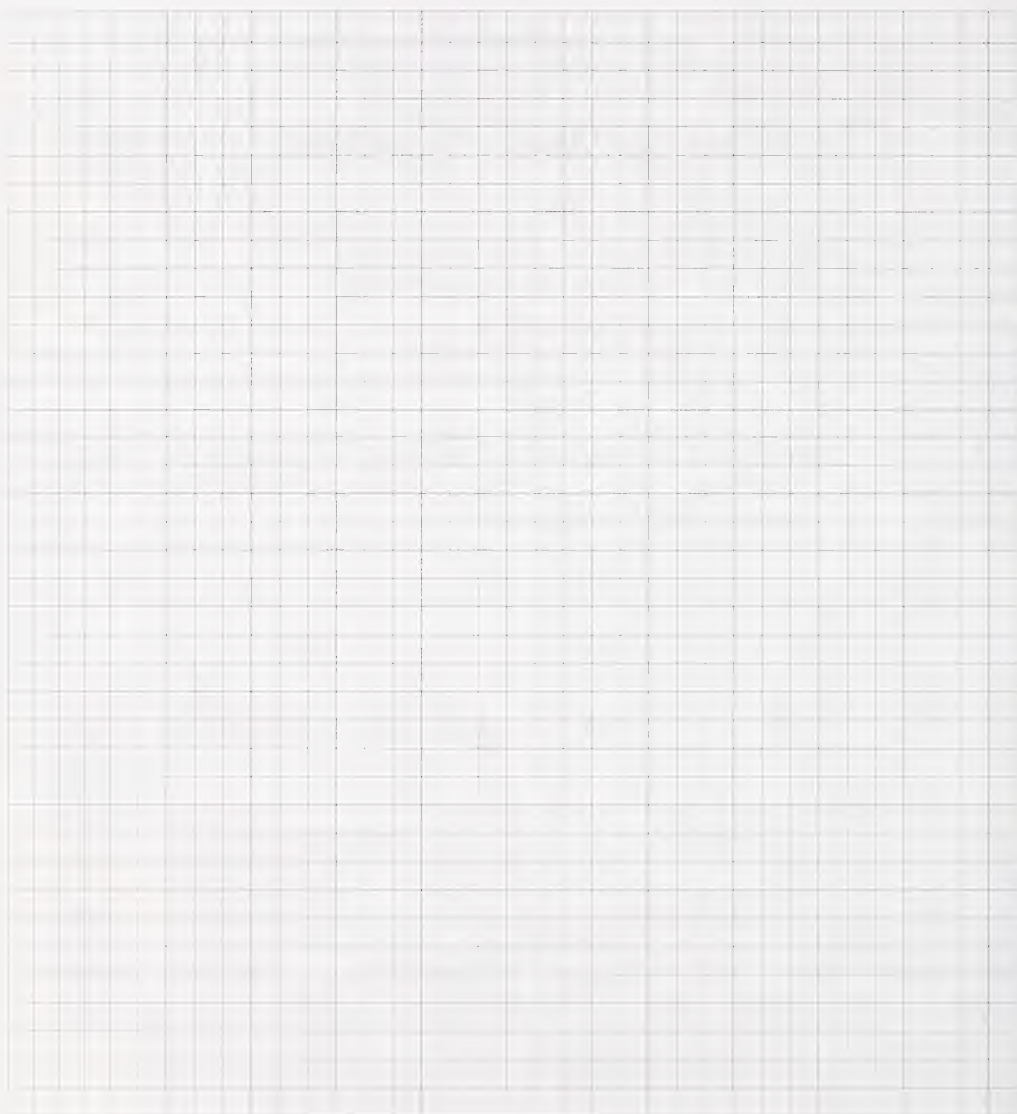
A. _____

B. _____

4. What is the growth rate of a butter bean plant?
- A. _____
- B. _____
5. Write a question that can be answered by first-hand data.



Quiz
Lesson 1: Types of Data



Math **5**
Unit 4

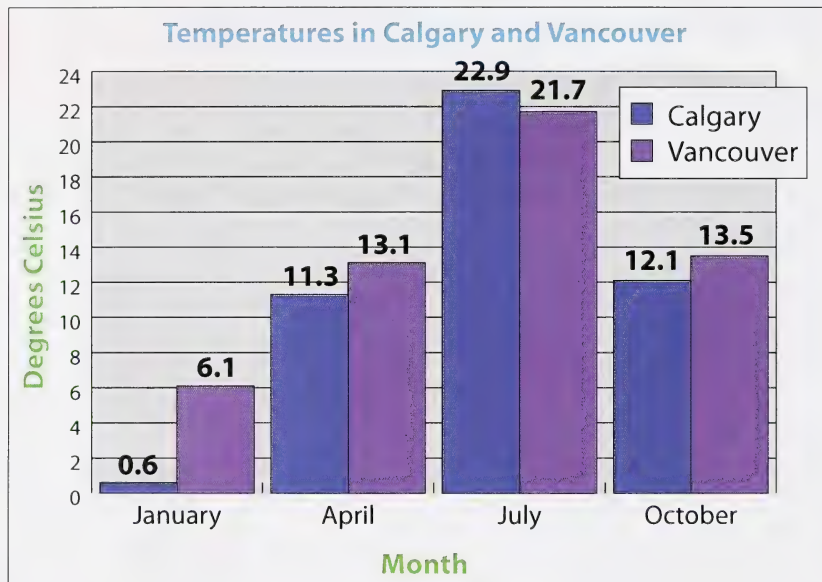
Quiz
Lesson 2



Double
Bar Graphs

For 1 - 5: Use the double bar graph to answer each question.

Alyssa researched the temperatures of Calgary and Vancouver on the first day of each month in one year.

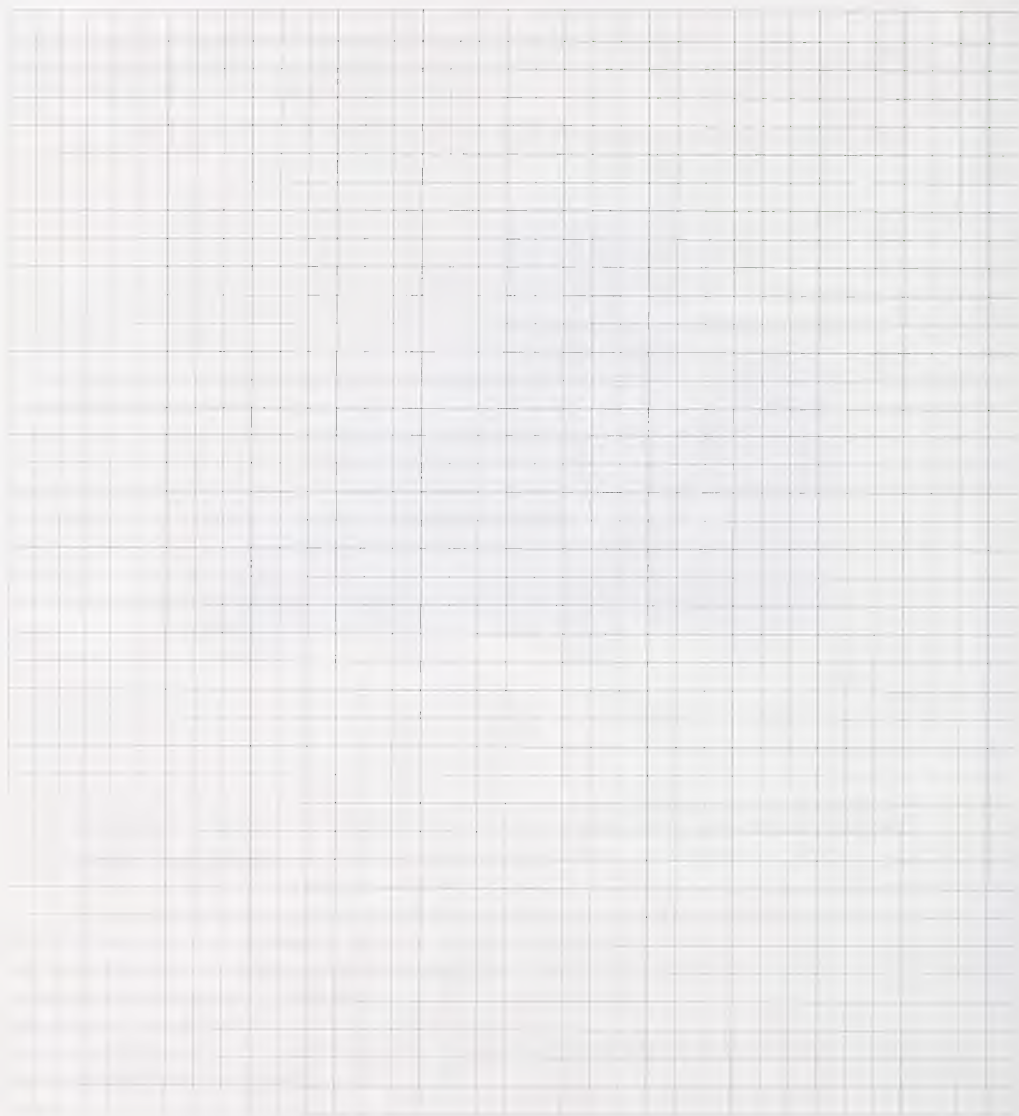


1. In which month is the difference in temperature between the two cities the least?
2. In which month is the difference in temperature between the two cities the greatest?

3. What is the difference between the temperatures in October?
4. How many times does the temperature in Calgary rise above 20°C ?
5. Which city is colder in July? How much colder?



Quiz
Lesson 2: Double Bar Graphs



Math **5**
Unit 4

Test
Lessons 1 - 2



For 1 - 4: A. Are the following situations first-hand or second-hand data?

B. How would you find the answer?

1. What are the favourite desserts of a group of your friends?

A. _____

B. _____

2. What are the favourite DVDs of the year for all of the US and Canada?

A. _____

B. _____

3. Which NHL hockey games had the highest attendance this season?

A. _____

B. _____

4. What are the shower times for the members of your family?

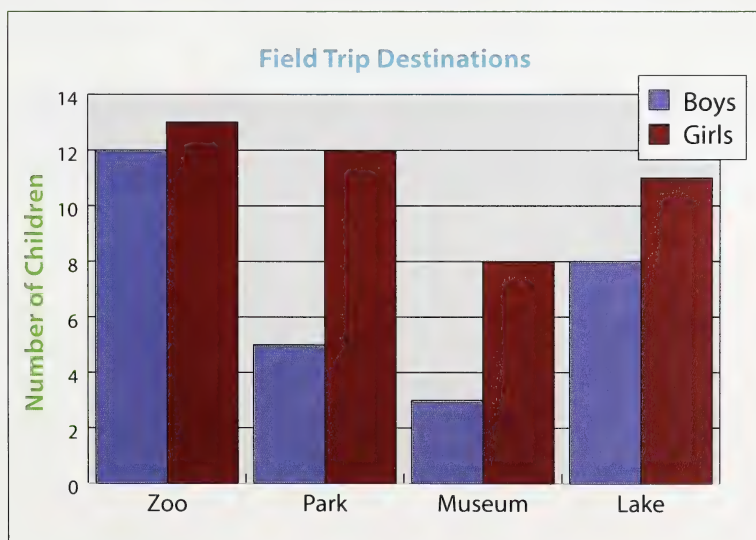
A. _____

B. _____

5. Write a question that can be answered by first-hand data.

6. Write a question that can be answered by second-hand data.

For 7 – 11: Use the graph to answer the questions that follow.

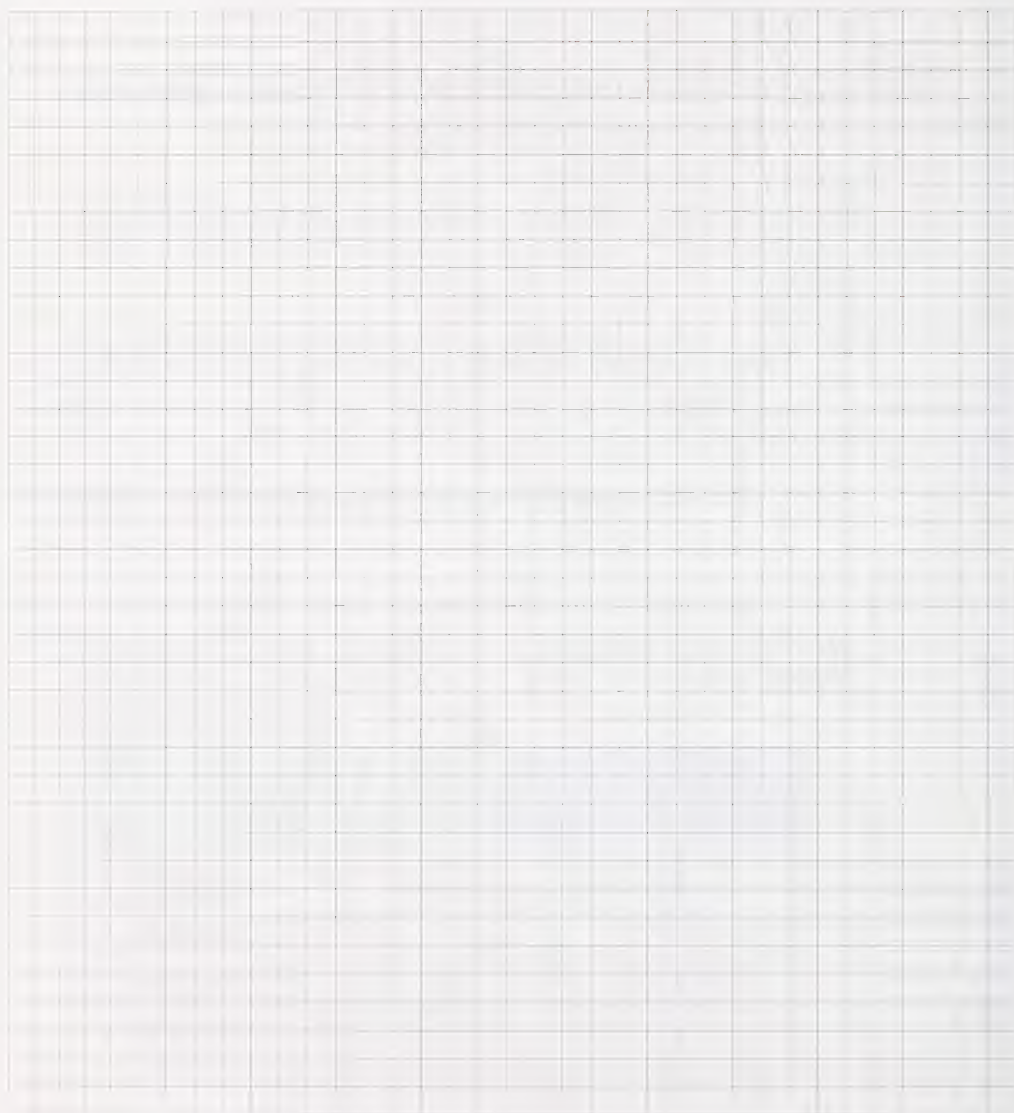


7. What do you think the survey question was for this data?
8. How many children chose the park as their destination?
9. How many more girls than boys are there in the survey group?
10. How many more girls want to go to the park than boys?
11. Where should the class go on the field trip?
12. Daksha and Alyssa decided to mow lawns for the summer to make money. Create a double bar graph for the data shown:

Number of Lawns		
	Daksha	Alyssa
Monday	3	5
Tuesday	6	4
Wednesday	4	6
Thursday	5	5



Test: Lessons 1-2



Math **5**
Unit 4

Quiz
Lesson 3



**Describing
Outcomes**

For 1 – 3: Write the word: Certain, Possible, or Impossible, to describe the event of pulling a star from each of the following.

1. _____



2. _____



3. _____



For 4 – 6: Write the word: Certain, Possible, or Impossible, to describe the event.

4. There will be a rain next week. _____

5. The month of January will have 31 days. _____

6. There are no sweets in the world. _____

Math **5**
Unit 4

Quiz
Lesson 4



**Comparing
Outcomes**

For 1 - 5: Use the cards to decide if the event is less likely, equally likely or more likely.



1. drawing a number divisible by 4
2. drawing a white card
3. drawing a two-digit number
4. drawing a one-digit number
5. drawing a number divisible by 8

Math

5

Unit 4

Test
Lessons 3 - 4



For 1 – 3: Write the word: **Certain**, **Possible**, or **Impossible** to describe the event of pulling a red marble from each of the following.

1. _____ 2. _____ 3. _____



For 4 – 6: Write the word: **Certain**, **Possible**, or **Impossible** to describe the event.

4. There will be rain next month. _____
5. A month that has only 10 days. _____
6. The sun will not shine for a year. _____

For 7 – 11: Use the cards to decide if the event is less likely, equally likely or more likely.



7. drawing a number divisible by 8

8. drawing a white card

9. drawing a two-digit number

10. drawing a one-digit number

11. drawing a blue card

For 12 – 14: Create a set of figures in the box for the given event.

12. Pulling out a circle will be less likely.

